

CLAIMS

We claim:

1. A device for dispensing liquid chemicals
comprising:

false cap,
one-way diaphragm mechanism,
real bottle top with ventilation,
liquid chemical bottle body,
real bottle bottom with nozzle,
nozzle cap,
removable stand,

with means for dispensing of the liquid chemicals utilizing
gravity-fed operation through the nozzle on real bottom.

2. The invention of claim 1 further including
that said false cap has mechanical means to open and close
it in some manner to expose an air opening duct with
means for preventing a bottle vacuum on dispensing large
quantities of liquid chemical.

3. The invention of claim 2 further including
that said false cap attaches to the real bottle top with
ventilation using some sort of attachment device.

4. The invention of claim 1 further including
that said one-way diaphragm mechanism has means to
prevent liquid chemical from going upwards and means to
allow air to penetrate downwards such as through use of a
One-way Trapdoor Diaphragm or large pored diaphragm or
diaphragm with a squeeze activated slit as example
mechanisms.
5. The invention of claim 1 further including
that said real bottle top with ventilation has means to stop
a vacuum in the liquid chemical bottle body.
6. The invention of claim 5 further including
that said real bottle top with ventilation is a real body
top as opposed to the false cap.
7. The invention of claim 1 further including
that said liquid chemical bottle body is of a non-top heavy
shape to prevent tipping over of the bottle.
8. The invention of claim 1 further including
that said liquid chemical bottle body has a real bottle
bottom with nozzle as opposed to the stand or false bottle
bottom.

9. The invention of claim 1 further including that said real bottle bottom with nozzle has a nozzle cap which has an openable and closable mechanical mechanism with means to dispense liquid chemical in a controlled manner.
10. The invention of claim 9 further including that said nozzle cap may be a bottom-fed, sideways hand-squeezed, pump-action spray nozzle which does not require a feed tube.
11. The invention of claim 1 further including that said stand or false bottom also catches liquid chemical drips.
12. The invention of claim 11 further including that said stand or false bottom attaches onto the Liquid Chemical real bottle bottom with nozzle and is detachable in some mechanical manner.

13. A device for dispensing liquid chemicals comprising:

false cap,
 one-way diaphragm mechanism,
 real bottle top with ventilation opening,
 liquid chemical bottle body,
 real bottle bottom with nozzle,
 removable nozzle cap with stand,

with means for dispensing of the liquid chemicals utilizing gravity-fed operation through the nozzle on real bottom.

14. The invention of claim 13 further including that said false cap has mechanical means to expose an air opening duct through some user motion.

15. The invention of claim 14 further including that said false cap attaches onto the liquid chemical bottle body on the real bottle top with ventilation opening.

16. The invention of claim 14 further including that said false cap has an attachable mechanism of some type with means to allow air downwards, but, does not allow liquid to move up such as through use of a One-way Trapdoor Diaphragm or large pored diaphragm or

diaphragm with a squeeze activated slit as example mechanisms.

17. The invention of claim 13 further including that said liquid chemical bottle body has a real bottle top with a ventilation opening as opposed to the false cap.
18. The invention of claim 13 further including that said liquid chemical bottle body is much narrower at the top than at the bottom to prevent top-heavy loading and tipping over of the bottle.
19. The invention of claim 13 further including that said liquid chemical bottle body has a real bottle bottom with a nozzle as opposed to the nozzle cap and stand or false bottle bottom.
20. The invention of claim 19 further including that said nozzle of real bottle bottom with nozzle has means to neatly dispense and aim liquid chemical when the nozzle cap and stand is removed.
21. The invention of claim 19 further including that said nozzle of real bottle bottom with nozzle can be a spray nozzle with a pump action mechanism of some kind with means to expel the liquid chemical

under pressure such as in a sideways, hand-squeezed pump or in an upwards thumb-depressed pump.

22. The invention of claim 13 further including that said real bottle bottom with nozzle has an openable and closable nozzle cap and stand.

23. The invention of claim 22 further including that said nozzle of real bottle bottom with nozzle is covered by the nozzle cap with stand when the nozzle is not in use to protect it and stop drips.

24. The invention of claim 22 further including that said nozzle cap with stand of real bottle bottom mechanically attaches onto the liquid chemical bottle body through some attachment motion.

25. A device for dispensing liquid chemicals

comprising:

disposable ventilation opening device such as
adhesive foil,
one-way diaphragm mechanism,
liquid chemical bottle body with a
ventilation opening, hollow stand, and nozzle,
openable cap for the nozzle,
disposable bottom anti-tamper seal such as
adhesive foil,

with means for disposable, one-time dispensing use.

26. The invention of claim 25 further
including that adhesive ventilation opening device has
means to expose ventilation opening on the real bottle top.

27. The invention of claim 25 further
including that liquid chemical bottle body with a
ventilation opening, hollow stand, and nozzle has means to
prevent a vacuum of liquid chemical.

28. The invention of claim 27 further
including that liquid chemical bottle body with a
ventilation opening, hollow stand, and nozzle has a one-
way diaphragm which allows air downwards, but, does

not allow liquid to move up through means of a mechanism such as a One-way Trapdoor Diaphragm or large pored diaphragm or diaphragm with a squeeze activated slit as example mechanisms.

29. The invention of claim 27 further including that liquid chemical bottle body with a ventilation opening, hollow stand, and nozzle is of a non top-heavy shape with means to prevent tipping over.

30. The invention of claim 27 further including that liquid chemical bottle body has a nozzle which may be a spray nozzle with pump action.

31. The invention of claim 27 further including that liquid chemical bottle body with a hollow stand may have a peel-off, disposable, tamper seal covering the base.

32. The invention of claim 25 further including that openable cap for the nozzle is opened with some mechanical action means with means to dispense liquid chemical in a controlled manner such as in a removable cap, twist cap, and flip cap.